

#5



# SEQUENCE LISTING

<110> Cheah, Kathryn  
Cheung, Kenneth

<120> USE OF TRANSGENIC MOUSE CONTAINING A TYPE X COLLAGEN MUTANT

<130> 0467/57114-B

<140> 09/975,607

<141> 2001-10-11

<160> 5

<170> PatentIn version 3.1

<210> 1

<211> 486

<212> DNA

<213> Mouse

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Gly Met Pro Leu Val Ser Ala Asn His Gly Val Thr Gly Met Pro Val  
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Ser Ala Phe Thr Val Ile Leu Ser Lys Ala Tyr Pro Ala Val Gly Ala  
35 40 45

Pro Ile Pro Phe Asp Glu Ile Leu Tyr Asn Arg Gln Gln His Tyr Asp  
50 55 60

Pro Arg Ser Gly Ile Phe Thr Cys Lys Ile Pro Gly Ile Tyr Tyr Phe  
65 70 75 80

Ser Tyr His Val His Val Lys Gly Thr His Val Trp Val Gly Leu Tyr  
85 90 95

Lys Asn Gly Thr Pro Thr Met Tyr Thr Tyr Asp Glu Tyr Ser Lys Gly  
100 105 110

Tyr Leu Asp Gln Ala Ser Gly Ser Ala Ile Met Glu Leu Thr Glu Asn  
115 120 125

Asp Gln Val Trp Leu Gln Leu Pro Asn Ala Glu Ser Asn Gly Leu Tyr  
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Ser Ser Glu Tyr Val His Ser Ser Phe Ser Gly Phe Leu Val Ala Pro  
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Ser Ala Phe Thr Val Ile Leu Ser Lys Ala Tyr Pro Ala Val Gly Ala  
35 40 45

Pro Ile Pro Phe Asp Glu Ile Leu Tyr Asn Arg Gln Gln His Tyr Asp  
50 55 60

Pro Arg Ser Gly Ile Phe Thr Cys Lys Ile Pro Gly Ile Tyr Tyr Phe  
65 70 75 80

Ser Tyr His Val His Val Lys Gly Thr His Val Trp Val Gly Leu Tyr  
85 90 95

Lys Asn Gly Thr Arg Met Met Ser Thr Ala Lys Ala Thr Trp Ile Arg  
100 105 110

Leu Gln Gly Val Gln Ser Trp Ser Ser Gln Lys Met Thr Arg Tyr Gly  
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Ser Thr Arg Pro Ser Gln Asp Ser  
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Val Met Pro Asp Gly Phe Ile Lys Ala Gly Gln Arg Pro Arg Leu Ser  
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20 25 30

Ser Ala Phe Thr Val Ile Leu Ser Lys Ala Tyr Pro Ala Val Gly Ala  
35 40 45

Pro Ile Pro Phe Asp Glu Ile Leu Tyr Asn Arg Gln Gln His Tyr Asp  
50 55 60

Pro Arg Ser Gly Ile Phe Thr Cys Lys Ile Pro Gly Ile Tyr Tyr Phe  
65 70 75 80

Ser Tyr His Val His Val Lys Gly Thr His Val Trp Val Gly Leu Tyr  
85 90 95

Lys Asn Gly Thr Pro Met Met Asn Thr Pro Lys Ala Thr Trp Ile Arg  
100 105 110

Leu Gln Gly Val Pro Ser Ser Ile Ser Gln Lys Met Thr Arg Cys Gly

115

120

125

Ser Ser Phe Pro Met Pro Ser Gln Met Ala Tyr Thr Pro Leu Ser Met  
130 135 140

Ser Thr Pro Leu Ser Gln Asp Ser  
145 150